

Table 1 Skyline Electric Lake dye tracing study preliminary sample results.

PETERSEN HYDROLOGIC  
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Sample Identification	Date, time placed	Date, time retrieved	Fluorescein (ppb)	Eosine (ppb)	Comments	
Huntington Creek/Electric Lake (directly dyed)						
Huntington Creek at outlet of Electric Lake dam	03/05/2003 17:45	03/24/2003 11:00	12.2	ND	Rhodamine WT dye also detected at 3.06 ppb	
Huntington Creek at outlet of Electric Lake dam	03/24/2003 11:00	04/07/2003 17:30	3.65	6.11		
Huntington Creek at outlet of Electric Lake dam	04/07/2003 17:30	04/18/2003 18:20	510	1,240		
Huntington Creek at outlet of Electric Lake dam	04/18/2003 18:20	05/02/2003 16:30	844	1,150		
Huntington Creek ab. confluence with L. Fork	03/23/2003 18:00	04/05/2003 17:10	ND	0.524*	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Huntington Creek ab. confluence with L. Fork	04/05/2003 17:10	04/18/2003 17:00	2.95	3.43		
Huntington Creek ab. confluence with L. Fork	04/18/2003 17:00	05/02/2003 15:30	6.99	6.44		
Huntington Creek ab. confluence with L. Fork	03/05/2003 18:15	03/23/2003 18:00	1.83	ND		
Huntington Creek bl. Bear Creek Campground	03/06/2003 13:30	03/23/2003 11:00	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Huntington Creek bl. Bear Creek Campground	03/23/2003 11:00	04/05/2003 15:30	ND	0.470*		
Huntington Creek bl. Bear Creek Campground	04/05/2003 15:30	04/18/2003 16:30	0.515*	ND		
Huntington Creek bl. Bear Creek Campground	04/18/2003 16:30	05/02/2003 13:40	0.910*	ND		
Huntington Creek Tributaries below Electric Lake						
Left Fork Huntington Ck. ab. conf. with Main Fork	03/05/2003 18:30	03/23/2003 17:30	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Left Fork Huntington Ck. ab. conf. with Main Fork	03/23/2003 17:30	04/05/2003 16:50	ND	1.25		
Left Fork Huntington Ck. ab. conf. with Main Fork	03/23/2003 17:30	04/05/2003 16:50	ND	ND		
Left Fork Huntington Ck. ab. conf. with Main Fork	04/05/2003 16:50	04/18/2003 15:30	ND	ND		
Left Fork Huntington Ck. ab. conf. with Main Fork	04/05/2003 16:50	04/18/2003 15:30	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Left Fork Huntington Ck. ab. conf. with Main Fork	04/05/2003 16:50	04/18/2003 15:30	ND	ND		
Left Fork Huntington Ck. ab. conf. with Main Fork	04/18/2003 15:30	04/28/2003 12:30	ND	ND		
Left Fork Huntington Ck. ab. conf. with Main Fork	04/18/2003 15:30	05/02/2003 15:10	ND	ND		
Left Fork Huntington Ck. ab. conf. with Main Fork	05/02/2003 15:10	05/13/2003 17:45	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Horse Canyon Creek @ Hwy	04/05/2003 16:30	04/18/2003 15:15	ND	ND		
Horse Canyon Creek @ Hwy	04/18/2003 15:15	05/02/2003 14:45	ND	ND		
Horse Canyon Creek @ Hwy	05/02/2003 14:45	05/16/2003 16:50	ND	ND		
Crandall Creek ab. Conf. with Huntington Creek	03/23/2003 15:30	04/05/2003 16:30	0.504*	0.450*	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Crandall Creek ab. Conf. with Huntington Creek	04/05/2003 16:30	04/18/2003 16:00	0.436*	ND		
Crandall Creek ab. Conf. with Huntington Creek	04/18/2003 16:00	05/02/2003 14:30	0.608*	ND		
Crandall Creek ab. Conf. with Huntington Creek	05/02/2003 15:00	05/16/2003 16:30	0.359*	ND		
Tie Fork ab. Conf. with Huntington Creek	03/06/2003 8:30	03/23/2003 11:30	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Tie Fork ab. Conf. with Huntington Creek	03/23/2003 11:30	04/05/2003 16:00	ND	0.293*		
Tie Fork ab. Conf. with Huntington Creek	04/05/2003 16:00	04/18/2003 16:15	ND	ND		
Tie Fork ab. Conf. with Huntington Creek	04/18/2003 16:15	05/02/2003 14:10	ND	ND		
Tie Fork ab. Conf. with Huntington Creek	05/02/2003 14:10	05/16/2003 15:45	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Nuck Woodward ab. Huntington Creek	03/10/2003 18:15	03/23/2003 19:15	ND	ND		
Nuck Woodward ab. Huntington Creek	03/23/2003 19:15	04/05/2003 18:00	ND	ND		
Nuck Woodward ab. Huntington Creek	04/05/2003 18:00	04/18/2003 15:00	ND	ND		
Nuck Woodward ab. Huntington Creek	04/18/2003 15:00	05/02/2003 15:50	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Nuck Woodward ab. Huntington Creek	05/02/2003 15:50	05/16/2003 17:15	ND	ND		
LF-U (Left Fork Huntington upper site)	04/29/2003 14:45	05/06/2003 16:00	ND	ND		
LF-U (Left Fork Huntington upper site)	05/06/2003 16:00	05/13/2003 14:45	ND	ND		
LF-MA (Left Fork Huntington Middle A)	04/29/2003 16:10	05/13/2003 15:30	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
LF-MB (Left Fork Huntington Middle B)	04/29/2003 17:30	05/06/2003 13:50	ND	ND		
LF-MB (Left Fork Huntington Middle B)	05/06/2003 13:50	05/13/2003 14:15	ND	ND		
LF-L (Left Fork Huntington Lower site)	04/29/2003 18:15	05/06/2003 13:05	ND	ND		
LF-L (Left Fork Huntington Lower site)	05/06/2003 13:05	05/13/2003 16:50	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Left Fork Huntington side drainage #1	04/29/2003 15:00	05/06/2003 16:14	ND	ND		
Left Fork Huntington side drainage #1	05/06/2003 16:14	05/13/2003 14:55	ND	ND		
Left Fork Huntington side drainage #2	04/29/2003 16:30	05/06/2003 15:10	ND	ND		
Left Fork Huntington side drainage #2	05/06/2003 15:10	05/13/2002 15:45	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Huntington Creek Drainage Springs						
Hughes Spring	03/10/2003 17:30	03/23/2003 18:45	ND	ND		
Hughes Spring	03/23/2003 18:45	04/07/2003 18:00	ND	ND		
Hughes Spring	04/07/2003 18:00	04/18/2003 14:45	ND	ND		
Hughes Spring	04/18/2003 14:45	05/02/2002 16:00	ND	ND		
Hughes Spring	05/02/2003 16:00	05/16/2003 18:00	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
North Hughes Sulfur Spring	04/18/2003 18:00	05/02/2003 17:00	ND	ND		
North Hughes Sulfur Spring	05/02/2003 17:00	05/16/2003 18:25	ND	ND		
Left Fork Huntington Sulfur Spring	04/29/2003 17:00	05/06/2003 14:10	ND	ND		
Left Fork Huntington Sulfur Spring	05/06/2003 14:10	05/13/2003 14:00	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Mud Creek Drainage and Tributaries						
Eccles Creek ab. South Fork	03/10/2003 15:50	03/24/2003 13:45	ND	ND		
Eccles Creek ab. South Fork	03/24/2003 13:15	04/05/2003 13:30	0.890*	ND		
Eccles Creek ab. South Fork	04/05/2003 13:30	04/14/2003 13:45	1.11	ND		
Eccles Creek ab. South Fork	04/14/2003 13:45	05/01/2003 15:20	ND	ND		
Eccles Creek ab. South Fork	05/01/2003 15:20	05/16/2003 19:30	0.692	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
South Fork Eccles Creek	05/01/2003 15:40	05/16/2003 19:25	ND	ND		
Mud Creek ab. Eccles Creek	03/10/2003 13:05	03/24/2003 13:30	ND	ND		
Mud Creek ab. Eccles Creek	03/24/2003 13:30	04/05/2003 14:00	ND	ND		
Mud Creek ab. Eccles Creek	04/05/2003 14:00	04/15/2003 14:00	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Mud Creek ab. Eccles Creek	04/15/2003 14:00	05/01/2003 16:10	ND	ND		
Mud Creek ab. Eccles Creek	05/01/2003 16:10	05/16/2003 20:30	ND	0.383*		
Mud Creek at bridge crossing at Scofield	03/10/2002 12:35	03/24/2003 14:15	ND	ND		
Mud Creek at bridge crossing at Scofield	03/24/2003 14:15	04/05/2003 13:00	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Mud Creek at bridge crossing at Scofield	04/05/2003 13:00	04/15/2003 14:40	ND	ND		
Mud Creek at bridge crossing at Scofield	04/15/2003 14:40	05/02/2003 18:25	ND	ND		
Mud Creek at bridge crossing at Scofield	05/02/2003 18:25	05/20/2003 14:45	ND	ND		
Upper Mud Creek at Slaughter House Canyon	05/01/2003 16:00	05/16/2003 20:20	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Winter Quarters Creek at hwy bridge	03/10/2003 12:05	03/24/2003 14:00	ND	ND		
Winter Quarters Creek at hwy bridge	03/24/2003 14:00	04/15/2003 14:20	ND	ND		
Winter Quarters Creek at hwy bridge	04/15/2003 14:20	05/02/2003 18:10	ND	ND		
Winter Quarters Creek at hwy bridge	05/02/2003 18:10	05/16/2003 20:45	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Woods Canyon Creek at road crossing	03/10/2003 11:45	03/24/2003 14:45	ND	ND		
Woods Canyon Creek at road crossing	03/24/2003 14:45	04/15/2003 14:50	ND	ND		
Woods Canyon Creek at road crossing	04/15/2003 14:50	05/02/2003 19:15	ND	ND		
Woods Canyon Creek at road crossing	05/02/2003 19:20	05/20/2003 15:30	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Mud Creek Drainage Springs and Wells						
G-37 Sulfur Spring at RR Xing near Scofield	04/05/2003 12:50	04/15/2003 15:10	ND	ND		
G-37 Sulfur Spring at RR Xing near Scofield	04/15/2003 15:10	05/02/2003 19:40	ND	ND		
G-37 Sulfur Spring at RR Xing near Scofield	05/02/2003 19:40	05/20/2003 15:45	ND	ND		
W24-1 at storage tank	05/06/2003 10:00	05/13/2003 18:45	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
W24-1 at storage tank	05/16/2003 12:00	05/20/2003 12:55	ND	ND		
S17-2	05/02/2003 18:00	05/16/2003 19:45	ND	ND		
JC-1 and Skyline Mine Groundwaters						
JC-1 outlet at Huntington Creek	03/07/2003 16:00	03/22/2003 17:00	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
JC-1 outlet at Huntington Creek	03/22/2003 17:00	04/07/2003 16:00	ND	ND		
JC-1 outlet at Huntington Creek	04/07/2003 16:00	04/14/2003 17:00	ND	ND		
JC-1 outlet at Huntington Creek	04/14/2003 17:00	05/01/2003 14:00	ND	ND		
JC-1 outlet at Huntington Creek	05/01/2003 14:00	05/15/2003 18:00	ND	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
East Submains E1 XC5 Fault	03/07/2003 10:30	04/15/2003 11:30	ND	ND		
East Submains E1 XC5 Fault	04/15/2003 11:30	05/09/2003 14:30	ND	ND		
Left Seals, Mine 2 Seal 1	03/07/2003 11:45	04/15/2003 10:45	ND	ND		
Left Seals, Mine 2 Seal 1	04/15/2003 10:45	05/09/2003 15:00	0.450*	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Mine #3 discharge to pond overflow	05/09/2003 14:40	05/20/2003 12:25	ND	ND		
Skyline Mine Antifreeze Test						
Mine antifreeze (50:50) 25ml in 1 L distilled water	05/14/2003 14:30	05/14/2003 17:15	505	ND	Lab flag-a peak was present that does not meet all the criteria for a positive dye recovery, but has been calculated as though it were the tracer dye	
Distilled water blank for antifreeze test	05/14/2003 14:30	05/14/2003 17:15	ND	ND		
Shop discharge to pond	05/09/2003 14:20	05/20/2003 12:30	9.76	ND		
Mine fan culvert to pond	05/09/2002 14:11	05/20/2003 12:45	2.24	ND		